ESSENTIALS

Benefits/Features

• End-to-end solution integrates video surveillance management system and scale-out storage
• Open architecture enables compatibility with more cameras, encoders, and DVRs than any other vendor
• Simple storage management with easy-to-use, "grow-as-you-go" scalability and policy-based controls
• Highly efficient storage utilization and management simplicity to reduce total cost of ownership

THE CHALLENGE

The use of video surveillance technology is rapidly growing across a wide range of industries. Heightened security concerns are causing enterprises, government agencies and other organizations to expand their use of video surveillance and other physical security technologies. The emergence of large-scale video surveillance deployments is resulting in a number of challenges, such as the creation of a massive amount of content that must be stored, analyzed, and managed by security teams with limited resources.

Technology advancements—including the transition from tape-based systems to disk storage-based systems—are creating more efficient solutions for organizations deploying video surveillance systems. Organizations now have the opportunity to address long-term archival requirements, while providing effective capture, analysis and storage of this information.

EMC ISILON AND MILESTONE SOLUTIONS

EMC® Isilon® and Milestone Systems have teamed to address these challenges with reliable, scalable, easy-to-manage video surveillance solutions that can be used by customers in a wide range of industries. Milestone’s XProtect® open architecture, coupled with EMC Isilon scale-out storage, result in a comprehensive video surveillance solution that is both flexible and cost-effective.

Milestone Systems is the world’s leading provider of open platform IP video management software (VMS) and is used by more than 100,000 customers worldwide. Milestone XProtect VMS is powerful, easy-to-use and designed with an open architecture, resulting in compatibility with more IP cameras, encoders and digital video recorders, and more than 100 third-party software integrations such as access control or video analytics.

Isilon scale-out NAS is ideally suited to the storage requirements of large and expanding video surveillance deployments—with even thousands of cameras. With Isilon, you can have massive scalability for your video data storage needs—from 18 terabytes to over 15 petabytes of capacity per cluster in a single file system. Isilon storage systems are simple to install, manage, and scale at virtually any size. And with our scale-out approach, you can "grow-as-you-go" through just-in-time storage provisioning with no down-time or disruption to your video surveillance activities.
FLEXIBLE AND EASY TO MANAGE

Milestone XProtect VMS systems offer a convenient user dashboard that provides visibility to all connected cameras, devices, storage systems, and users. With this solution you can centrally manage video from independent sites for easy and efficient administration of multi-site, multi-organization surveillance installations using the Milestone Federated Architecture™.

EMC brings expertise in data storage, information handling, and information lifecycle management to help you meet your video surveillance challenges. With EMC Isilon storage, you can integrate and easily manage massive amounts of video surveillance data from a wide range of sources. EMC Isilon is a powerful yet simple scale-out NAS solution for organizations that want to invest in managing their data, not their storage, and provides unmatched simplicity, scalability, performance, and flexibility.

The Isilon OneFS operating system is distributed and intelligently stripes data and metadata across all nodes in a cluster to create a single, shared pool of storage. Each node is connected via a private high-bandwidth, low-latency interconnect, so it is a distributed storage system, with a single management point and system namespace. And because data is automatically balanced across all nodes in an Isilon cluster, there is no need for management of LUNs or volumes.

The EMC Isilon Advantage

- Simplicity and ease of use
- Massively scalable from 18 TB to over 15 PB
- World’s fastest NAS with 1.6 million SpecSFS2008 CIFS operations per second
- Unmatched efficiency with over 80% storage utilization
- Highly reliable, enterprise data protection

The diagram shows the integration of XProtect VMS with network cameras, connected through Ethernet. The system includes virtualized Director/Gateway, virtualized Archiver, and an operating system (OS) layer.
EFFICIENT, SECURE AND HIGHLY AVAILABLE

Whether your installation requires just a handful of cameras or several thousand, Milestone’s open platform integrates with best-in-class solutions to reduce costs, optimize processes, and protect people and assets. Designed for large, multi-site, multi-server, high-risk installations, XPriotect solutions can support an unlimited number of cameras, users, and sites. Milestone’s superior video redundancy options, such as Failover Recording Servers and Edge Storage, also help ensure that video recordings are never interrupted.

EMC Isilon storage solutions provide the highest levels of reliability and availability in the industry. Isilon storage systems are built on a highly redundant and scalable architecture designed to withstand multiple simultaneous component failures while still allowing unfettered access to the entire file system and dataset. EMC Isilon FlexProtect™ provides protection for up to four simultaneous failures of either full nodes or individual drives. This means that if up to 4 nodes or drives fail simultaneously, 100% of your data would still be available.

Isilon scale-out NAS is also highly efficient. With Isilon you can achieve over 80 percent utilization with a single pool of shared storage. This helps you reduce capital expenditures and overall costs. With EMC Isilon SmartPools™ software, you can optimize surveillance or physical security storage resources with policy-driven automatic data tiering. SmartPools can be used to automatically move older camera surveillance data to lower-cost storage disk drives and further optimize your storage resources.

PROVEN SOLUTIONS

Our joint solutions are tested and certified at the EMC eLab, renowned for conducting rigorous interoperability testing. This means that your organization can focus on video surveillance and not the technology enabling it. Isilon scale-out NAS can integrate and manage surveillance data from a wide range of sources and provide a highly scalable and efficient storage solution that is ideally suited to meeting the challenges of capturing, storing, analyzing, and managing massive amounts of video data.

CONTACT US

To learn more about how EMC Isilon products, services, and solutions can help solve your business and IT challenges, contact your local representative or authorized reseller—or visit us at www.EMC.com/Isilon.